

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P558468

Luminaire Tested: **24CBRK-36-UNV-L835-CD1-U**

Issue Date: 7/20/2021



Test Information

Test Method: LM-79-08
Report Number: P558468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2105-259-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CBRK-36-UNV-L835-CD1-U
Description: 2X4 3600 LUMEN, LED TROFFER RETROFIT KIT WITH 3500K AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

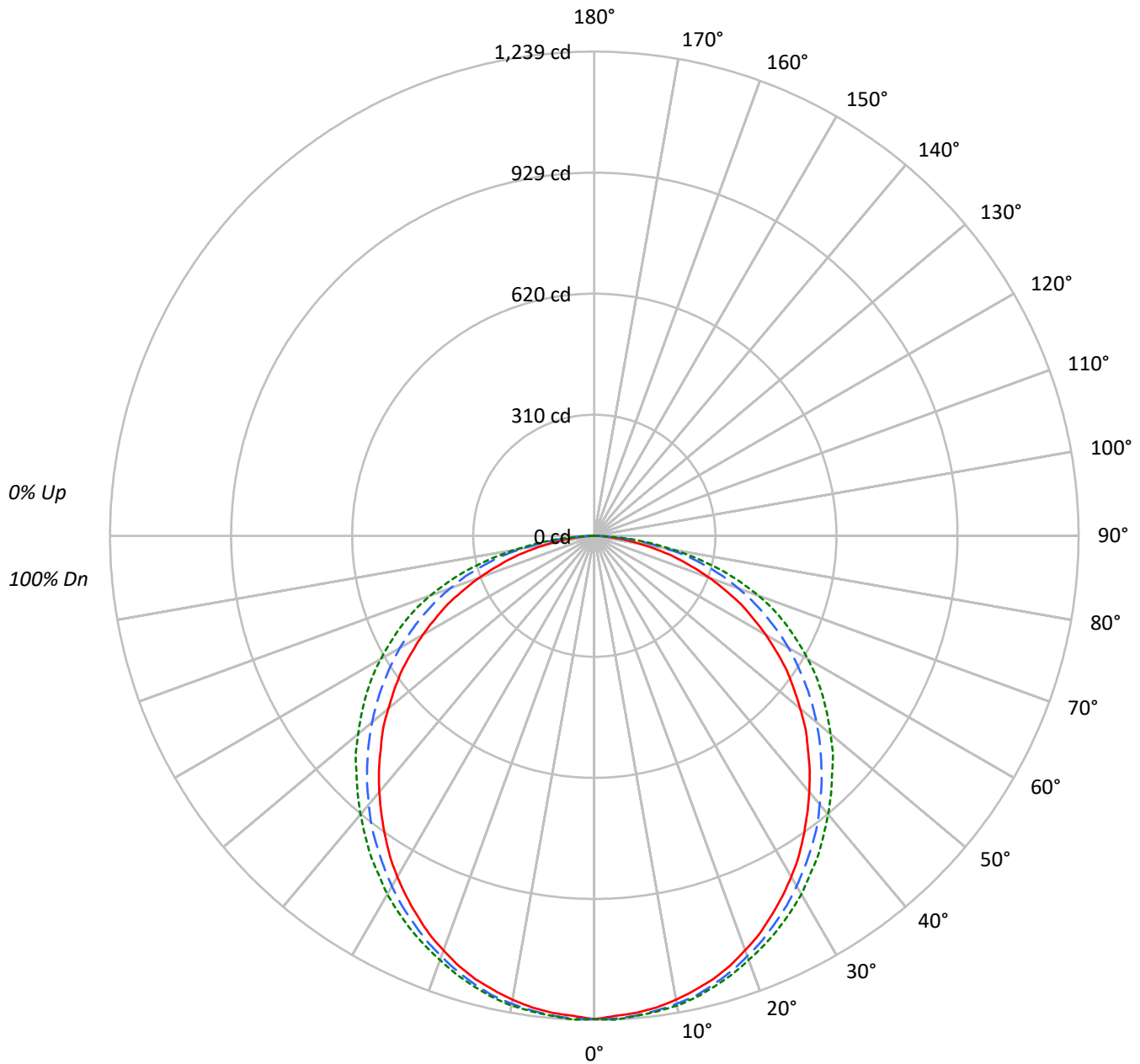
Lumens per Lamp: N/A
Luminaire Lumens: 3638.0 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P558468

CATALOG NUMBER: 24CBRK-36-UNV-L835-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83		
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68		
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57		
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48		
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42		
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36		
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29		
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26		
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1664	1664	1664
5°	1655	1664	1666
10°	1647	1662	1668
15°	1636	1654	1662
20°	1616	1639	1654
25°	1592	1624	1650
30°	1566	1609	1646
35°	1534	1593	1640
40°	1503	1576	1635
45°	1470	1563	1637
50°	1439	1553	1651
55°	1410	1545	1672
60°	1364	1547	1698
65°	1316	1540	1731
70°	1228	1541	1753
75°	1120	1527	1730
80°	919	1428	1579
85°	605	1192	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.2
10°-20°	334.4	9.2
20°-30°	504.0	13.9
30°-40°	605.9	16.7
40°-50°	632.9	17.4
50°-60°	588.1	16.2
60°-70°	475.1	13.1
70°-80°	298.1	8.2
80°-90°	82.6	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	955.4	26.3
0°-40°	1561.2	42.9
0°-60°	2782.2	76.5
0°-90°	3638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1225	1228	1232	1235	1234	116
15°	1175	1179	1187	1192	1193	331
25°	1072	1079	1094	1108	1111	494
35°	934	946	970	989	998	585
45°	773	789	821	851	860	597
55°	601	617	659	698	713	536
65°	414	434	484	528	544	406
75°	215	245	294	325	333	226
85°	39	62	77	85	85	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.9	1236.9	1236.9	1236.9	1236.9
2.5°	1230.0	1232.3	1236.9	1239.2	1239.2
5°	1225.4	1227.7	1232.3	1234.6	1233.5
7.5°	1217.3	1220.8	1225.4	1227.7	1227.7
10°	1205.8	1209.3	1216.2	1220.8	1220.8
12.5°	1190.8	1195.4	1204.7	1208.1	1209.3
15°	1174.7	1179.3	1187.4	1192.0	1193.1
17.5°	1154.0	1158.6	1167.8	1173.6	1175.9
20°	1128.7	1134.4	1144.8	1154.0	1155.1
22.5°	1103.3	1109.1	1121.7	1132.1	1134.4
25°	1072.2	1079.1	1094.1	1107.9	1111.4
27.5°	1041.1	1049.2	1066.5	1081.4	1086.0
30°	1007.7	1016.9	1035.4	1052.6	1059.5
32.5°	973.2	982.4	1003.1	1022.7	1027.3
35°	934.0	945.5	969.7	989.3	998.5
37.5°	894.9	908.7	936.3	959.4	964.0
40°	855.7	869.5	897.2	923.7	930.6
42.5°	815.4	830.4	860.3	887.9	896.0
45°	772.8	788.9	821.2	851.1	860.3
47.5°	733.6	747.4	782.0	814.2	828.1
50°	687.6	704.8	741.7	776.2	788.9
52.5°	643.8	661.1	701.4	738.2	750.9
55°	601.2	617.3	658.8	697.9	712.9
57.5°	552.8	572.4	616.2	658.8	673.7
60°	506.7	526.3	574.7	617.3	631.1
62.5°	458.4	481.4	528.6	571.2	586.2
65°	413.5	434.2	483.7	527.5	543.6
67.5°	360.5	385.8	438.8	481.4	497.5
70°	312.1	337.4	391.6	433.0	445.7
72.5°	261.4	291.4	345.5	380.1	390.4
75°	215.4	245.3	293.7	324.8	332.8
77.5°	165.8	196.9	244.2	262.6	269.5
80°	118.6	153.2	184.3	199.2	203.8
82.5°	77.2	108.3	129.0	140.5	145.1
85°	39.2	62.2	77.2	85.2	85.2
87.5°	12.7	23.0	27.6	24.2	18.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)